

# Conservation Records

## For Your Agricultural Operation

Name: \_\_\_\_\_

CSP Watershed: \_\_\_\_\_

Date: \_\_\_\_\_



# Table of Contents

Table of Contents .....	1
Land Operator Information .....	2
Property Information Example .....	3
Property Information .....	4
Farm Location Map.....	5
Conservation Farm Map .....	6
Notes .....	7
Cropland Inventory.....	C1-C12
Range and Pasture Land Inventory.....	R&P1-R&P18

## USDA Nondiscrimination Statement

"The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, and marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Director, Office of Civil Rights, Room 326-W, Whitten Building, 14th and Independence Avenue, SW, Washington, DC 20250-9410, or call (202) 720-5964 (voice or TDD). USDA is an equal opportunity provider and employer."

# Land Operator Information

---

The following information is needed by your conservation planner to develop a quality conservation plan. You will retain all privacy rights as afforded through the Freedom of Information Act and Privacy Act. All personal information provided will remain confidential between you and the Natural Resources Conservation Service.

**Name of Landowner(s):** \_\_\_\_\_

**Name of Land Manager(s):** \_\_\_\_\_

**Business or Farm Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**City:** \_\_\_\_\_ **State:** \_\_\_\_\_

**County:** \_\_\_\_\_ **Zip Code:** \_\_\_\_\_

**Phone Numbers:** Home \_\_\_\_\_

Office \_\_\_\_\_

Cell \_\_\_\_\_

**E-Mail Address:** \_\_\_\_\_

I certify that I have accurately delineated my agricultural operation according to the requirements of the Conservation Security Program and that the information provided on the following pages is concise and accurate to the best of my knowledge.

\_\_\_\_\_  
Name / Applicant

\_\_\_\_\_  
Date

## Property Information

## Property Location

In order to identify the location of your agricultural operation, please fill out the table below. An agricultural operation "means all agricultural land and other lands determined by the USDA Natural Resources Conservation Service Chief, whether contiguous or noncontiguous, under the control of the applicant and constituting a cohesive management unit, that is operated with equipment, labor, accounting system, and management that is substantially separate from any other." Your farm and tract numbers are not required but can be used as a reference to USDA Farm Service Agency (FSA) map designations on aerial photos. Aerial map photocopies of your property can be obtained from your FSA. Section, township, and range numbers can be located with the following resources: county soil survey book, 7.5 min. quad map, tax lot number from the courthouse, deed of land, local irrigation district, and the local conservation district. You may attach maps if desired.

[illegible]

# Property Information

---

## Property Location

In order to identify the location of your agricultural operation, please fill out the table below. An agricultural operation "means all agricultural land and other lands determined by the USDA Natural Resources Conservation Service Chief, whether contiguous or noncontiguous, under the control of the applicant and constituting a cohesive management unit, that is operated with equipment, labor, accounting system, and management that is substantially separate from any other." Your farm and tract numbers are not required but can be used as a reference to USDA Farm Service Agency (FSA) map designations on aerial photos. Aerial map photocopies of your property can be obtained from your FSA. Section, township, and range numbers can be located with the following resources: county soil survey book, 7.5 min. quad map, tax lot number from the courthouse, deed of land, local irrigation district, and the local conservation district. You may attach maps if desired.

<i><b>Property Name</b></i>	<i><b>Farm or Tract Number</b></i>	<i><b>Field Numbers</b></i>	<i><b>Section</b></i>	<i><b>Township</b></i>	<i><b>Range</b></i>	<i><b>Acres</b></i>	<i><b>Own</b></i>	<i><b>Operate</b></i>

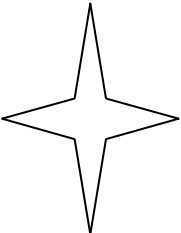
# Farm Locator Map

---

On this page, please draw or attach a map showing directions to your agricultural operation in relation to well-known features (highways, towns, etc.). On the following page, draw or attach a detailed map of your agricultural operation (field boundaries, access roads, streams, wells, headquarters, feedlots, corrals, etc.). Include the location of conservation practices (fences, terraces, pipelines, etc.) you have installed in each field. Attach additional pages as needed.

## Property Location Map













(Please Indicate North)



Specific Directions If Necessary: \_\_\_\_\_

# Conservation Farm Map

Farm Map Legend

 Property Boundary	 Road	 Fence	 Homestead
 Stream	 Field Number	 Well	 Spring
 Water	 Ditch	 Pipeline	 Trough

Label Land Uses in  
Designated Fields

(Please Indicate North)



## Notes



# Conservation Records

## Cropland Inventory

<b>C-1 .....</b>	<b><i>Table Of Contents</i></b>
<b>C-2....</b>	<b><i>Crop Rotation and Management Sample</i></b>
<b>C-3.....</b>	<b><i>Crop Rotation and Management Sheet</i></b>
<b>C-4...</b>	<b><i>Cultivation and Field Operations Sample</i></b>
<b>C-5.....</b>	<b><i>Cultivation and Field Operations Sheet</i></b>
<b>C-6.....</b>	<b><i>Typical Field Operations</i></b>
<b>C-7.....</b>	<b><i>Crop Fertilizer Inputs Sample</i></b>
<b>C-8.....</b>	<b><i>Crop Fertilizer Inputs Sheet</i></b>
<b>C-9.....</b>	<b><i>Pest Management Inputs Sample</i></b>
<b>C-10 .....</b>	<b><i>Pest Management Inputs Sheet</i></b>
<b>C-11</b>	<b><i>Irrigation System Management and System Description</i></b>
<b>C-12</b>	<b><i>Irrigation System Management and System Description</i></b>

Cropland Inventory

Crop Rotation and Management

This worksheet will provide information regarding your crop varieties as well as the rotation they are grown in your operation. Please fill out this form if you have cropland or hayland that has a rotational sequence. Use the example below to fill out the blank form on the next page.

1. EXAMPLE: Crop Rotation and Management Worksheet

Tract No.	Field No. or Name	Typical Rotation Sequence												Residues Harvested	
		Year 1		Year 2		Year 3		Year 4		Year 5		Year 6		Y or N	Yield
		Crop	Yield	Crop	Yield	Crop	Yield	Crop	Yield	Crop	Yield	Crop	Yield		
19567	1,2,3	winter wheat	45	corn	70	fallow		winter wheat	41	corn	82	fallow		N	
19577	1	corn, irr.	225	corn, irr.	220	winter wheat, irr.	110	winter wheat, irr.	125	alfalfa, irr.	8	alfalfa, irr.	10.5	N	
19567	4,5	winter wheat, irr.	110	winter wheat, irr.	102	winter wheat, irr.	123	winter wheat, irr.	117	winter wheat, irr.	100	winter wheat, irr.	108	Y	2 ton

Additional Comments or Observations:

## Cropland Inventory

## 1. Crop Rotation and Management Worksheet

[illegible]

Additional Comments or Observations:

## Cultivation and Field Operations

## 2. EXAMPLE: Cultivation and Field Operations Worksheet

[illegible]

Additional Comments or Observations:



# Cropland Inventory

## Typical Field Operations:

Aerator, field surface, ground driven	Harrow, spike tooth
Bale straw or residue	Harvest, grass or legume seed, leave forage
Bed shaper	Harvest, grass seed and remove forage
Chisel, straight point	Harvest, hay, grass
Chisel, straight point 12 in. deep	Harvest, hay, legume
Chisel, sweep shovel	Harvest, small grains, corn, peas, canola, mustard
Chisel, twisted shovel	Harvest, legume seed and remove forage
Cultipacker, roller	Harvest, root crops, digger
Cultivator, field 6-12 in. sweeps	Harvest, silage
Cultivator, field w/ spike points	Harvest, stripper header
Cultivator, row, high residue	Knife, windrow dry beans
Disk, offset, heavy	Lister
Disk, offset, heavy 12 in. depth	Manure injector
Disk, tandem heavy primary operation	Manure spreader
Disk, tandem light finishing	Mower, swather, windrower
Disk, tandem secondary operation	Mulch treader
Drill or air seeder single disk openers 7-10 in. space	Para-plow or para-till
Drill or air seeder, hoe opener in heavy residue	Planter, double disk opener
Drill or air seeder, hoe/chisel openers 6-12 in. space	Planter, double disk opener w/fluted coulter
Drill or airseeder, double disk	Planter, double disk opener, 18 in. rows
Drill or airseeder, double disk opener, w/ fertilizer openers	Planter, in-row subsoiler
Drill or airseeder, double disk, w/ fluted coulters	Planter, small vegetable seed
Drill or airseeder, offset double disk openers	Planter, strip till
Drill, air seeder, sweep or band opener	Planter, transplanter, vegetable
Drill, heavy, direct seed, double disk opener	Planter, transplanter, vegetable, no-till
Drill, heavy, direct seed, double disk opener w/ row cleaners	Plow, disk
Fertilizer application anhydrous knife 12 in.	Plow, moldboard
Fertilizer application deep placement heavy shank	Rodweeder
Fertilizer application surface broadcast	Roller, corrugated packer
Fertilizer application anhydrous knife 30 in.	Rotary hoe
Fertilizer application, strip-till 30 in.	Seedbed finisher
Furrow shaper, torpedo	Shredder, flail or rotary
Graze, intensive rotational	Shredder, rotary, remove residue
Graze, rotational	Sprayer, kill weeds, volunteer for reduced/no till
Graze, stubble or residue	Sprayer, post emergence
Harrow, coiled tine	Subsoiler
Harrow, heavy	Sweep plow, 20-40 in. wide
	Sweep plow wider than 40 in. w/mulch treader
	Sweep plow, wider than 40 in.

# Cropland Inventory

## Crop Fertilizer Inputs

If nutrients, including livestock waste, are not applied, skip this part. This worksheet contains information on the nutrient applications on your operation. In the Soil Test column, please indicate if your fertilizer application rate is based on soil test results. Please attach a copy of the latest soil test for each field.

### 3. EXAMPLE: Crop Fertilizer Input Worksheet

Crop Grown	Tract No.	Field No.	Fertilizer Formulation	Application Rate (lbs./ac.)	Application Method	Application Date	Application Depth (in.)	Soil Test Date
winter wheat	19567	1,2,3	16-20-0	100	broadcast	15-May	surface	20-Oct.-04
corn	19577	1	16-20-0	20	starter	15-May	2x2	"
EXAMPLES		1	50-0-0	50	deep placement	15-May	9	"
		1	anhydrous	150	sidedress	20-Jun.	12"	"
corn	19567	4	manure 23-24-41/ton	17 ton/ac.	broadcast	15-Apr.	surface	"

In years nutrients applied without a new soil test, how was application rate determined?


- Previous soil test
- Crop removal calculations
- Crop consultant / Certified Crop Advisor recommendation

If irrigated, has water been tested for nitrates? YES NO

If you have the results from this test, please attach them to this page for your planners reference.

Additional Comments or Observations: \_\_\_\_\_

# Cropland Inventory

## 3. Crop Fertilizer Inputs Worksheet

Crop Grown	Tract No.	Field No.	Fertilizer Formulation	Application Rate (lbs./ac.)	Application Method	Application Date	Application Depth (in.)	Soil Test Date

In years nutrients applied without a new soil test, how was application rate determined?

<input type="checkbox"/>	Previous soil test
<input type="checkbox"/>	Crop removal calculations
<input type="checkbox"/>	Crop consultant / Certified Crop Advisor recommendation

If irrigated, has water been tested for nitrates?      YES      NO

If you have the results from this test, please attach them to this page for your planners reference.

Additional Comments or Observations: \_\_\_\_\_



# Cropland Inventory

## Pest Management Inputs

**If pesticides (herbicides, insecticides, fungicides, etc.) are not used on your operation, skip this part.**

This worksheet includes information on the methods used to control pests and weeds on your operation. The following bullets include additional information to assist in completing this worksheet.

- Under the Suppression Method column please include the product name or active ingredient of the method used to manage the target pest listed.
- Under the Pesticide Application Rate column include the pounds or ounces of active ingredient (ai).
- Under the Weather Conditions column indicate the conditions that existed during the application of the suppression method.
- In the Broadcast, Banded, or Spot Application column indicate if the pesticide was broadcast applied, banded, or spot applied.
- In the Surface, Soil Incorporated, or Foliar Application column indicate if the pesticide was surface applied, soil incorporated, or foliar applied.

## 5. EXAMPLE: Pest Management Inputs Worksheet

Crop Grown	Tract Number	Field Number	Target Pest	Suppression Method	Pesticide Application Rate	Date Applied	Weather Conditions	Broadcast, Banded, or Spot Application	Surface, Soil Incorporated, or Foliar Application
winter wheat	19567	1,2	downy brome	metribuzin	0.3 lbs./ac. ai	25-Apr.	5 mph wind from S	broadcast	surface
alfalfa	19577	1	clover leaf weevil	malathion	1.0 lbs./ac. ai	as needed	calm and sunny	broadcast	foliar
potatoes	19578	1	wireworm	phorate	3.02 #/1000 ft. of row	at planting	sunny, light breeze	banded	soil incorporate

Additional Comments or Observations:

Cropland Inventory

5. Pest Management Inputs Worksheet

Crop Grown	Tract Number	Field Number	Target Pest	Suppression Method	Pesticide Application Rate	Date Applied	Weather Conditions	Broadcast, Banded, or Spot Application	Surface, Soil Incorporated, or Foliar Application

Additional Comments or Observations:

# Cropland Inventory

## Irrigation Management and System Description

This worksheet includes information about your current irrigation system(s) that is needed to determine program eligibility for irrigated lands. Please answer the questions by indicating the choice(s) that apply. If multiple systems are utilized, complete one sheet for each system.

FIRI Enhancement Category / Question	Irrigation Enhancement Action	Applies
--------------------------------------	-------------------------------	---------

### What is the current irrigation system type?

Border - Graded Border	
Border - Level or Basin	
Border - Guide	
Border - Contour Level field crop	
Border - Contour - Level Rice	
Border - Contour - Level Rice - Side Inlets	
Border - Border Ditch	
Furrow - Level or Basin	
Furrow - Graded Furrow	
Furrow - Contour furrow	
Furrow - Corrugations	
Furrow - Surge	
Subirrigation - Subirrigated	
Flood - Controlled	
Flood - Uncontrolled	
Flood - Contour Ditch	
Sprinkler - Big Gun or Boom	
Sprinkler - Hand Line or Wheel Line	
Sprinkler - Solid Set (above canopy)	
Sprinkler - Solid Set (below canopy)	
Center Pivot	
Center Pivot (Low Pressure Improved)	
Center Pivot (LEPA)	
Center Pivot (LESA)	
Center Pivot (LPIC)	
Center Pivot (MESA)	
Lateral Move	
Lateral Move (LEPA, LESAs, LPIC, MESA)	
Micro, Point Source	
Micro, Sprays	
Micro, Continuous Tape	
Micro, SDI	

### What method best describes your soil moisture monitoring and/or irrigation scheduling?

Visual crop stress	
Soil moisture by NRCS feel method	
Check book scheduling, irrigation scheduler, etc.	
Irrigation scheduling via pan evaporation or atmometer for field	
Irrigation scheduling via regional weather network	
Soil moisture using Gypsum blocks, moisture probe, etc	
Continuous measurement of soil moisture, water applied and ET	

# Cropland Inventory

## Do Fields have Water Measuring Devices?

No flow measuring devices	
Flow measurement - whole farm-manually recorded	
Flow measurement - whole farm-automatic recorded	
Flow measurement - whole farm plus individual field manual	
Flow measurement - whole farm plus individual field automatic recorded	

## What is the Soil Condition Index from RUSLE2? (NRCS must determine)

Soil Condition Index from SCI = 0	For Agency Use Only
Soil Condition Index from SCI = 0.1	
Soil Condition Index from SCI = 0.2	
Soil Condition Index from SCI = 0.3	
Soil Condition Index from SCI = 0.4	
Soil Condition Index from SCI = 0.5	
Soil Condition Index from SCI = 0.6	
Soil Condition Index from SCI = 0.7	
Soil Condition Index from SCI = 0.8	
Soil Condition Index from SCI = 0.9	
Soil Condition Index from SCI = 1.0 or more	

## Can flow rates be measured and controlled in the irrigation distribution system?

Very poor diversion facilities. Little control of flow rate to farm.	
Can control flow rates to farm, but the on farm delivery system is such that it is very hard to deliver the desired flow to any given field.	
Flow rates to each field are adequately controlled. Flow rates to each set are difficult to control.	
All flow rates to each set are adequately controlled.	

## Which irrigation water conveyance system is currently employed on the farm/fields?

Open ditch or canal - sand/gravel	
Open ditch or canal - sandy loam	
Open ditch or canal - clay soil	
open canal - lined	
Closed conduit pipeline	

## Have the fields been land leveled?

Land smoothed	
Land leveled	
Land precision leveled	
Land precision leveled - slope <= .005	
A sprinkler system is utilized	

## Does the operation utilize tailwater recovery with and without irrigation storage reservoirs?

none	
25% irrigation runoff captured and reused	
50% irrigation runoff captured and reused	
75% irrigation runoff capture and reused	
100% irrigation runoff capture and reused	

# Conservation Records

## Range and Pasture Land Inventory

<i>R&amp;P-1 .....</i>	<i>Table of Contents</i>
<i>R&amp;P-2 .....</i>	<i>Livestock Inventory Sample</i>
<i>R&amp;P-3 .....</i>	<i>Livestock Inventory Sheet</i>
<i>R&amp;P-4 .....</i>	<i>Forage Inventory Sample</i>
<i>R&amp;P-5 .....</i>	<i>Forage Inventory Sheet</i>
<i>R&amp;P-6 .....</i>	<i>Grazing System Plan Sample</i>
<i>R&amp;P-7 .....</i>	<i>Grazing System Plan Sheet</i>
<i>R&amp;P-8 .....</i>	<i>Grazing Records - Range Sample</i>
<i>R&amp;P-9 .....</i>	<i>Grazing Records - Range Sheet</i>
<i>R&amp;P-10 .....</i>	<i>Grazing Records - Pasture Sample</i>
<i>R&amp;P-11 .....</i>	<i>Grazing Records - Pasture Sheet</i>
<i>R&amp;P-12 .....</i>	<i>Pasture Nutrient Inputs Sample</i>
<i>R&amp;P-13 .....</i>	<i>Pasture Nutrient Inputs Sheet</i>
<i>R&amp;P-14 .....</i>	<i>Pest Management Inputs Sample</i>
<i>R&amp;P-15 .....</i>	<i>Pest Management Inputs Sheet</i>
<i>R&amp;P-16 .....</i>	<i>Pasture Irrigation Management Sheet</i>
<i>R&amp;P-17 .....</i>	<i>Pasture Irrigation Management Sheet</i>
<i>R&amp;P-18 .....</i>	<i>Notes</i>

# Range and Pasture Land Inventory

The next two worksheets will break down your herd inventory needs (demands) and corresponding forage and roughage inventory available (supply). This will help you and your conservation planner determine if your grazing system is balanced for the most sustainable use of your grazing land.

Determining Animal Unit Equivalents	
Type of Livestock	Animal Units
Beef cow, yearlong average	1.00
Beef cow, dry	0.90
Beef cow, lactating	1.20
Bull, mature	1.25
Calf, weaned	0.50
Replacement heifers	0.85
Horse	1.25
Ewe	0.20
Ram	0.25
Lamb, 1-year-old	0.15
Goat	0.20

Most commercial cows average about 1000 pounds in body weight and are considered as one Animal Unit equivalents (AU). Where cow weight averages are higher, AU may be increased accordingly, such as 1.2 AU for a 1200 pound cow, 1.3 AU for a 1300 pound cow, etc. The shown AUs are for general use in Colorado.

## 1. EXAMPLE: Livestock Inventory, Total AUMs Needed Worksheet

(1) Livestock Type / Herd	(2) Number of Animals	(3) Animal Unit Equivalent	(4) Total Animal Units <small>col 2 x col 3</small>	(5) Months on Unit	(6) Total AUMs Needed/Yr. <small>col 4 X col 5</small>
beef cows	325	1.00	325.0	12.0	3900.0
bulls	15	1.30	19.5	6.0	117.0
replacement heifers	30	0.85	25.5	9.0	229.5
<b>TOTALS</b>	370		370		4246.5

Additional Comments or Observations:

# Range and Pasture Land Inventory

---

## 1. Livestock Inventory, Total AUMs Needed Worksheet

(1) Livestock Type	(2) Number of Animals	(3) Animal Unit Equivalent	(4) Total Animal Units  col 2 x col 3	(5) Months on Unit	(6) Total AUMs Needed/Yr.  col 4 X col 5
TOTALS	0		0		0

Additional Comments or Observations:

---



---

# Range and Pasture Land Inventory

## Forage Inventory

The following worksheet will determine the total amount of forage on your operation. Utilizing this and the livestock inventory will allow you to create a balanced grazing program.

If you are unable to determine the amount of AUMs your pasture or range produces in a year, please contact your local NRCS Conservation Planner. This information is critical in order to complete the rest of the Range and Pasture Land Worksheets.

In order to calculate total AUMs on your field (column 4) you will need to take the Total Acres (column 2) divided by Acres/acre/year (column 3) and multiple the result by 0.5 to equal Total AUMs per year (column 4).

**\* NOTE:** If your yield is in tons/acre, multiply the number of tons by 2.54 times the number of acres to get the number of AUMs.

Please refer to the example for your reference and then fill out your information on the following page.

## 2. EXAMPLE: Forage Inventory and Number of AUMs Available Worksheet

1 Field Number or Name	2 Acres	3 Acres/ AUM /Year or Tons / Acre	4 Total AUMs Available	5 Type of Forage or Feed
Field 11, 15, & 16	18.4	1.5 tons	70	alfalfa aftermath
Tract 523	5000	2.0 ac./ AUM	1250	rangeland
Tract 2395	103	1.8 tons	471	irrigated pasture
Miller Place	2000	1.5 ac./ AUM	667	rangeland
Home Place	55	0.3 ac./ AUM	92	pasture
<b>TOTALS</b>	<b>7176.4</b>		<b>2550</b>	

Additional Comments or Observations: \_\_\_\_\_



## Range and Pasture Land Inventory

## 2. Forage Inventory and Number of AUMs Available Worksheet

[illegible]

Additional Comments or Observations: \_\_\_\_\_

# Range and Pasture Land Inventory

## Grazing System Plan

The following worksheet can be used to assist in your grazing management. Use the information identified in Worksheet 2, Forage Inventory, specifically field and total AUMs to fill in the first two columns and then simply identify the herd/grazing group and their AUs from column 4 of Worksheet 1, Livestock Inventory. Then mark the corresponding time grazed in each of the fields or pastures (notice the half month breakdown of months). This worksheet needs to show the grazing system for each herd/grazing group in your operation.

### 3. EXAMPLE: Grazing System Plan Worksheet

Year: \_\_\_\_\_

Field #	AUMs or Production	Herd Type	AUs	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Miller Place	667	beef cows	403		Feed hay		X	X							
2	471	"	403					X	X						
1	1250	"	403						X	X	X	X		Feed hay	
Home Place	92	heifers	27		Feed hay		X	X	X	X					
11,15,16	70	"	27							X	X	X		Feed hay	

Additional Comments or Observations: \_\_\_\_\_

### 3. Grazing System Plan Worksheet

**Year:**

[illegible]

Additional Comments or Observations:

# Range and Pasture Land Inventory

## Grazing Records for Range

This worksheet will combine the information you have determined and developed in the last three worksheets. The following charts are provided for your use in keeping track of your grazing records on rangeland and will help you determine the current balance of forage and animals on each field.

### 4. EXAMPLE: Grazing Records - Range

Field Name	Miller Place					
Year or Season	Summer 2004			Total Acres	2000	
Livestock Type / Herd	Livestock Number	Date In	Date Out	Days Grazed	Animal Units	AUMs (days x AUs /30.4)
cow/calf	402	1-Apr.	1-May	30	403	398
TOTALS	402			30		398

AUMs Available (from Forage Inventory Worksheet): 660

AUM Balance (AUMs Available - Total AUMs Column): 262

Additional Comments or Observations:

---

---

---

# Range and Pasture Land Inventory

## 4. Grazing Records - Range

Field Name						
Year or Season				Total Acres		
Livestock Type / Herd	Livestock Number	Date In	Date Out	Days Grazed	Animal Units	AUMs (days x AUs /30.4)
TOTALS						

AUMs Available (from Forage Inventory Worksheet): \_\_\_\_\_

AUM Balance (AUMs Available - Total AUMs Column): \_\_\_\_\_

Field Name						
Year or Season				Total Acres		
Livestock Type / Herd	Livestock Number	Date In	Date Out	Days Grazed	Animal Units	AUMs (days x AUs /30.4)
TOTALS						

AUMs Available (from Forage Inventory Worksheet): \_\_\_\_\_

# Range and Pasture Land Inventory

## Grazing Records for Pastureland

The following charts are provided for you to use in keeping track of your grazing records on pastureland.

### 5. EXAMPLE: Grazing Records - Pastureland

Grazing Records - Pasture							
Pasture Name:	Jones back quarter				Acres	160	
Year or Season:	spring 2004				Forage Type	orchardgrass	
Soil Test Date:	10-Oct.-03						
Fertilizer:	Date Applied	10-Mar.-04					
Formulation		46-0-0 100 lbs./ac.					
Livestock Type	No. of Head	Last Irrigation	Date In	Forage Height	Date Out	Forage Height	Notes
cow pairs	350	15-Mar.	1-Apr.	10 in.	1-May	4 in.	about 400 AUMs harvested

Grazing Records - Pasture							
Pasture Name:					Acres		
Year or Season:					Forage Type		
Soil Test Date:							
Fertilizer:	Date Applied						
Formulation							
Livestock Type	No. of Head	Last Irrigation	Date In	Forage Height	Date Out	Forage Height	Notes

Additional Comments or Observations: \_\_\_\_\_

# Range and Pasture Land Inventory

## 5. Grazing Records - Pastureland

Grazing Records - Pasture							
Pasture Name:					Acres		
Year or Season:					Forage Type		
Soil Test Date:							
Fertilizer:	Date Applied						
Formulation							
Livestock Type	No. of Head	Last Irrigation	Date In	Forage Height	Date Out	Forage Height	Notes

Grazing Records - Pasture							
Pasture Name:					Acres		
Year or Season:					Forage Type		
Soil Test Date:							
Fertilizer:	Date Applied						
Formulation							
Livestock Type	No. of Head	Last Irrigation	Date In	Forage Height	Date Out	Forage Height	Notes

Additional Comments or Observations: \_\_\_\_\_

# Range and Pasture Land Inventory

## Pasture Nutrient Inputs

If nutrients, including livestock waste, are not applied, skip this part. This worksheet contains information on the nutrient applications on your pastures. In the Soil Test column, please indicate if your fertilizer application rate is based on soil test results.

### 6. EXAMPLE: Pasture Nutrient Inputs

Forage Grown	Field Number or Name	Nutrient Source	Application Rate lbs./ac.	Application Method	Application Date	Application Depth (in.)	Soil Test Date
irrigated orchardgrass	Jones #1	20-0-0	400	broadcast	5/1/04 7/10/04	---	---
int. wheatgrass and alfalfa	T245 field 1	20-10-10	150	broadcast	4/14/04	---	10-Oct.-03

In years nutrient applied without a new soil test, how was application rate determined?


Previous soil test

Crop removal calculations

Crop consultant / Certified Crop Advisor recommendation

If irrigated, has water been tested?      YES      NO

I you have the results from this test, please attach them to this page for your planners reference.

Additional Comments or Observations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# Range and Pasture Land Inventory

## 6. EXAMPLE: Pasture Nutrient Inputs

Forage Grown	Field Number or Name	Nutrient Source	Application Rate lbs./ac.	Application Method	Application Date	Application Depth (in.)	Soil Test Date

In years nutrient applied without a new soil test, how was application rate determined?


Previous soil test

Crop removal calculations

Crop consultant / Certified Crop Advisor recommendation

If irrigated, has water been tested?

YES

NO

If you have the results from this test, please attach them to this page for your planners reference.

Additional Comments or Observations:

# Range and Pasture Land Inventory

## Pest Management Inputs

**If pesticides (herbicides, insecticides, fungicides, etc.) are not used on your operation, skip this part.**

This worksheet includes information on the methods used to control pests and weeds on your operation. The following bullets include additional information to assist in completing this worksheet.

- Under the Suppression Method column please include the product name or active ingredient of the method used to manage the target pest listed.
- Under the Pesticide Application Rate column include the pounds or ounces of active ingredient (ai).
- Under the Weather Conditions column indicate the conditions that existed during the application of the suppression method.
- In the Broadcast, Banded, or Spot Application column indicate if the pesticide was broadcast applied, banded, or spot applied.
- In the Surface, Soil Incorporated, or Foliar Application column indicate if the pesticide was surface applied, soil incorporated, or foliar applied.

## 5. EXAMPLE: Pest Management Inputs Worksheet

Forage Grown	Tract Number	Field Number	Target Pest	Suppression Method	Pesticide Application Rate	Date Applied	Weather Conditions	Broadcast, or Banded, or Spot Application	Surface, Soil Incorporated, or Foliar Application
orchard grass	19567	1,2	Canada thistle	clipping and mowing	-----	-----	-----	-----	-----
intermediate wheatgrass	19577	1	sagebrush	Tordon	1.0 lbs./ac. ai	as needed	calm and sunny	broadcast	foliar

Additional Comments or Observations:

[illegible]

# Range and Pasture Land Inventory

## Pasture Irrigation Management

This worksheet includes information about your current irrigation system(s) that is needed to determine program eligibility for irrigated lands. Please answer the questions by indicating the choices(s) that apply. If multiple systems are utilized, complete one sheet for each system.

FIRI Enhancement Category / Question	Irrigation Enhancement Action	Applies
--------------------------------------	-------------------------------	---------

### What is the current irrigation system type?

Border - Graded Border	
Border - Level or Basin	
Border - Guide	
Border - Contour Level field crop	
Border - Contour - Level Rice	
Border - Contour - Level Rice - Side Inlets	
Border - Border Ditch	
Furrow - Level or Basin	
Furrow - Graded Furrow	
Furrow - Contour furrow	
Furrow - Corrugations	
Furrow - Surge	
Subirrigation - Subirrigated	
Flood - Controlled	
Flood - Uncontrolled	
Flood - Contour Ditch	
Sprinkler - Big Gun or Boom	
Sprinkler - Hand Line or Wheel Line	
Sprinkler - Solid Set (above canopy)	
Sprinkler - Solid Set (below canopy)	
Center Pivot	
Center Pivot (Low Pressure Improved)	
Center Pivot (LEPA)	
Center Pivot (LESA)	
Center Pivot (LPIC)	
Center Pivot (MESA)	
Lateral Move	
Lateral Move (LEPA, LESAs, LPIC, MESA)	
Micro, Point Source	
Micro, Sprays	
Micro, Continuous Tape	
Micro, SDI	

### What method best describes your soil moisture monitoring and/or irrigation scheduling?

Visual crop stress	
Soil moisture by NRCS feel method	
Check book scheduling, irrigation scheduler, etc.	
Irrigation scheduling via pan evaporation or atmometer for field	
Irrigation scheduling via regional weather network	
Soil moisture using Gypsum blocks, moisture probe, etc	
Continuous measurement of soil moisture, water applied and ET	

# Range and Pasture Land Inventory

## Do Fields have Water Measuring Devices?

No flow measuring devices	
Flow measurement - whole farm-manually recorded	
Flow measurement - whole farm-automatic recorded	
Flow measurement - whole farm plus individual field manual	
Flow measurement - whole farm plus individual field automatic recorded	

## What is the Soil Condition Index from RUSLE2? (NRCS must determine)

Soil Condition Index from SCI = 0	For Agency Use Only
Soil Condition Index from SCI = 0.1	
Soil Condition Index from SCI = 0.2	
Soil Condition Index from SCI = 0.3	
Soil Condition Index from SCI = 0.4	
Soil Condition Index from SCI = 0.5	
Soil Condition Index from SCI = 0.6	
Soil Condition Index from SCI = 0.7	
Soil Condition Index from SCI = 0.8	
Soil Condition Index from SCI = 0.9	
Soil Condition Index from SCI = 1.0 or more	

## Can flow rates be measured and controlled in the irrigation distribution system?

Very poor diversion facilities. Little control of flow rate to farm.	
Can control flow rates to farm, but the on farm delivery system is such that it is very hard to deliver the desired flow to any given field.	
Flow rates to each field are adequately controlled. Flow rates to each set are difficult to control.	
All flow rates to each set are adequately controlled.	

## Which irrigation water conveyance system is currently employed on the farm/fields?

Open ditch or canal - sand/gravel	
Open ditch or canal - sandy loam	
Open ditch or canal - clay soil	
open canal - lined	
Closed conduit pipeline	

## Have the fields been land leveled?

Land smoothed	
Land leveled	
Land precision leveled	
Land precision leveled - slope <= .005	
A sprinkler system is utilized	

## Does the operation utilize tailwater recovery with and without irrigation storage reservoirs?

none	
25% irrigation runoff captured and reused	
50% irrigation runoff captured and reused	
75% irrigation runoff capture and reused	
100% irrigation runoff capture and reused	

## Notes

[illegible]